Á Order ID 67608 Page 1 hday, March 28, 2011 2:29:16 PM D3294-1 Item ID: Accept Setup Start **Revision ID:** Stop Bracket Item Name: Start Qty: 10200 **Start Date:** 3/28/2011 **Cust Item ID:** Req'd Qty://0.00 Required Date: 3/31/2011 **Customer:** Reference: Start Run Date!-03-28 Tooling: Process Plan: Date: Approvals: Stop QC: Date: SPC (Y/N): Date: Operation Sequence ID/ Set Up/ Tool ID Tool# Plan Reject Reject Accept Insp. Description Qty Work Center ID **Run Hours** Code Oty Number Stamp Draw Nbr **Revision Nbr** D3294 Rev C 100 0.00 1811-4-5 Waterjet 0.00 Memo 1-Cut as per Dwg D3294 FLOW CNC Waterjet CUt File D3294-3 030. 2024 Dwg Rev: C Prog Rev:\_\_ \*grain direction on a 45 deg as per dwg\*\* 2-Deburr if necessary QC2- Inspect parts off machine FAI/FAIB 0.00 110

0.00

Memo

Quality Control

1311-4-5

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W/O:			WO	RK ORDER CHANG	ES			
DATE	STEP	PRO	OCEDURE CHAI	IGE	Ву	Date 0	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	<b>.</b>	PAR #:	Fault Cate	jory:	_ NCR: Yes	No DQA:	Date: _	
	Re	solution:	Disposition	ı:	_ QA: N/C Cld	osed:	Date: _	
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QC5- Inspect part completeness to step on W/O

1-Deburr if necessary 2-Bend as per Dwg D3294 (Ensure angle is correct)

Memo

8 1/40/18

Brake NC

140

QC

Quality Control

Dart Aer	ospace	. Ltd							
W/O:			V	VORK ORDER CHANGES					
DATE	STEP	PROCI	EDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No:	D 36	294-1 PAR#:	Fault Ca	itegory: <u>Small</u> How NO	R: (Yes) N	lo DQA:	A	Date:	11.05.02
11.562	R	esolution: Derec	Disposit	tion: Scap QA	A: N/C Clos	sed:	$\int_{\mathbf{X}}$	Date:	1/05/03
NCR:6	802	Wo	ORK OR	DER NON-CONFORMANC	E (NCR)		~		
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B  Action Description Chief Eng	Sign &	Verifica Section		Approval Chief Eng	Approval QC Inspector
11/04/15	130	2 piece creck during forming the band  R. c Process - barding	Josiw	Strap. destroy  -grain à band radices is  - good.  - No motorial devects or due above	30 y 1/8	ulouli S	દ	Posiun	/10414

#### Work Order ID 67608

Monday, March 28, 2011 2:29:16 PM



Page 3

Item ID:

D3294-1

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Bracket

Start Date:

Required Date: 3/31/2011

3/28/2011

**Start Qty: 10.00** 

Req'd Qty: 10.00



**Cust Item ID: Customer:** 

Reference:

**Approvals:** 

Process Plan:

QC:

Memo

Memo

Memo

Date:

Date:

**Tooling:** 

SPC (Y/N):

Date: Date:

Start Run

Stop



Sequence ID/ Work Center ID

150

HandFinish

Operation Description

Chemical Conversion Coat per QS1005 4.1

Set Up/ **Run Hours** 

0.00

0.00

Tool ID

Tool# Plan Code

Accept Oty

Reject Qty

Reject Insp. Stamp Number

Hand Finishing

160

Quality Control

QC3- Inspect Part Finish

0.00

0.00

7 BL 11-4-18.

170

Small Fab

Small Fab

0.00

0.00

1-Install D3294-5 doubler to D3294-3 bracket with rivets as per dwg. D3294

Sa/04/19

Dart .	Aeros	pace	Ltd
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W/O:			W	ORK ORDER CHANG	SES					
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DATE	STEP	Description of NC			tion B		Verifi	cation	Approval	Approval
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Monday, March 28, 2011 2:29:16 PM

Page 4

Item ID:

.3

D3294-1

Accept

Setup Start



**Revision ID:** 

Item Name: Start Date:

Required Date: 3/31/2011

Bracket

3/28/2011

Start Qty: 10.00

Req'd Qty: 10.00

**Cust Item ID:** 

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

Stop

QC:

Date:

SPC (Y/N):

Date:

Tool # Plan

Code

Stop

Sequence ID/ Work Center ID

180

**Quality Control** 

Operation Description

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours** 

0.00

0.00

Sis morning

Tool ID

Accept Qty

Reject Qty

Reject Insp. Number Stamp

190

Powdercoat

Powder Coating

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

M 115128

Memo

Start Time: Oven Temperature Finish Time: 4200 0.00

0.00

200

QC

Memo

QC3- Inspect Part Finish

7 6 M 11/04/21

Quality Control

0.00

0.00

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W/O:			WC	ORK ORDER CHANG	iES					3-7
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#### Work Order ID 67608

Page 5

Monday, March 28, 2011 2:29:16 PM

Item ID:

D3294-1

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Bracket

**Start Date:** 3/28/2011

Required Date: 3/31/2011

Start Qty: 10.00 Req'd Qty: 10.00

**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Start Run



QC:

Date:

SPC (Y/N):

Set Up/

Date:

Stop



Sequence ID/ Work Center ID

210

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

0.00

**Run Hours** 

Tool ID

Tool # Plan Accept Code

Reject

Reject Insp. Number

Memo

Memo

0.00

Qty

220

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

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W/O:			N	ORK ORDER CHANG	ES				
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#### **Picklist Print**

Monday, March 28, 2011 2:29:22 PM

Work Order ID: 67608

Parent Item:

D3294-1

Parent Item Name: Bracket

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Start Date: 3/28/2011

Required Date: 3/31/2011

**Start Qty: 10.00** 

Required Qty: 10.00

Comments:

IPP □A□04.08.24□New issue□KJ/JLM□

1PP Rev:B Now On Waterjet 07-03-26 JLM

IPP Rev:C 08-07-16 Redesign part DD verified by:EC IPP Rev:D 08-10-06 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.080		Purchased	No			100	sf	68.0000	1.8	18.94737	اله٠٠	2	
2024-T3 .080 sheet		l								B	11-4-5	-	
				Location		Loc (	<u>Oty</u>	Loc Code					
				MAT022			68						
					104921		l		_				
					105411		6						
					109424		4		_				
					110347		2		·				
					110908		3		_				
					112331		3						
					113796		7		_		. (	(1) B	
					114025		28			14075	× 6=	10.8	
					116604		14		7	16604	× 3=	5.4	
D3294-5		Manufactured	No			170	Each	9.0000	1	10		/	
										f 11	104/1	19	
Doubler				<b>Location</b>		Loc (	<u>Oty</u>	Loc Code					
				GA			9						
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Dart	Aero	space	Ltd
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#### **Picklist Print**

Monday, March 28, 2011 2:29:22 PM

Work Order ID: 67608

Parent Item:

D3294-1

Parent Item Name:

Bracket



Start Date: 3/28/2011

Required Date: 3/31/2011

Page 2

**Start Qty: 10.00** 

Required Qty: 10.00

MS20470AD4-5

Purchased

No

170

Each 2,028.000 15

150

Rivet, Universal Head

<u>Location</u>	Loc Qty
ST319	2028
116410	353
116893	1675

Loc Code

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W/O:			W	ORK ORDER CHANG	ES				·
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NCR:			WORK OR	DER NON-CONFORMA	NCE (NC	R)			
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DART AEROSPACE LTD	Work Order:	67688
Description: Bracket Assembly	Part Number:	D3294-1
Inspection Dwg: D3294 Rev: C		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

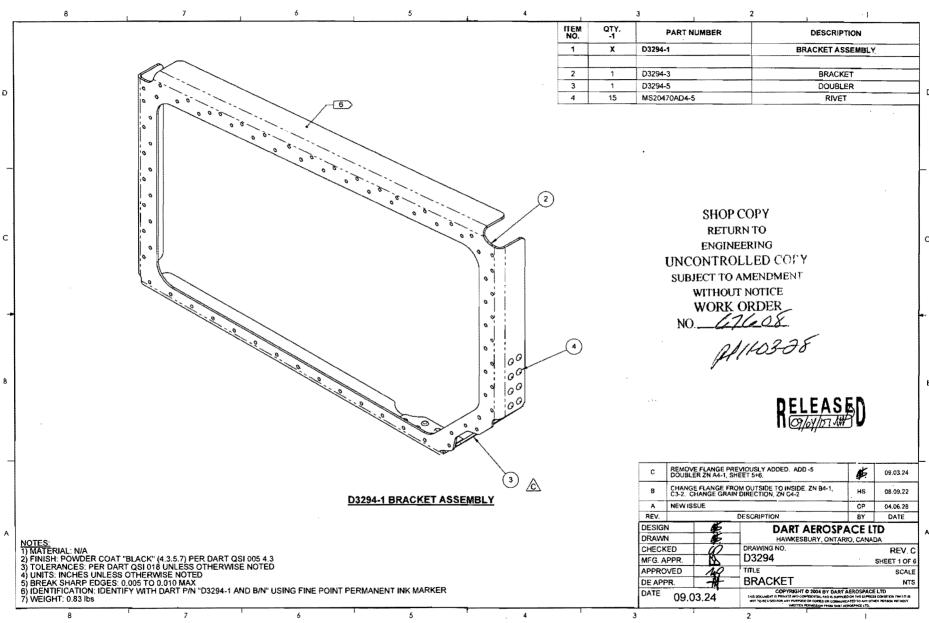
X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
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Ø0.141	+0.005/-0.001	્રાધા	7		V	
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1.118	+/-0.010	1.115	7		V	
5.590	+/-0.010	5,591	k		T	
1.118	+/-0.010	1,117	>		V	
13.563	+/-0.010	13.563	>		7	
1.043	+/-0.010	1.044	>		V	
0.625	+/-0.010	, 634	8		V	
0.325	+/-0.010	_ ,3 <b>ɔ</b> 3	×		V	<del>* *</del>
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7.27	+/-0.030	7.77	<u>ب</u>		7	_
11.97	+/-0.030	11.97	9		7	
8.37	+/-0.030	8.37	1		7	
20.05	+/-0.030	20.05	>		ते	. • .
12.98	+/-0.030	BP. GI	>		τ	
14.59	+/-0.030	14.59			7	<u>-</u>
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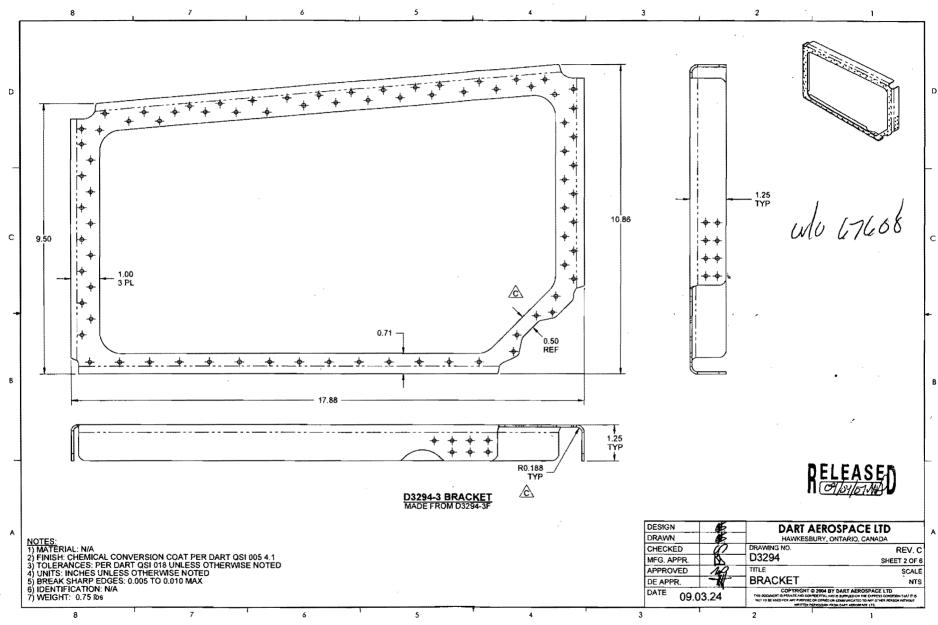
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Date:	11-4-5	Date: 11/04/06	Date:	N/A

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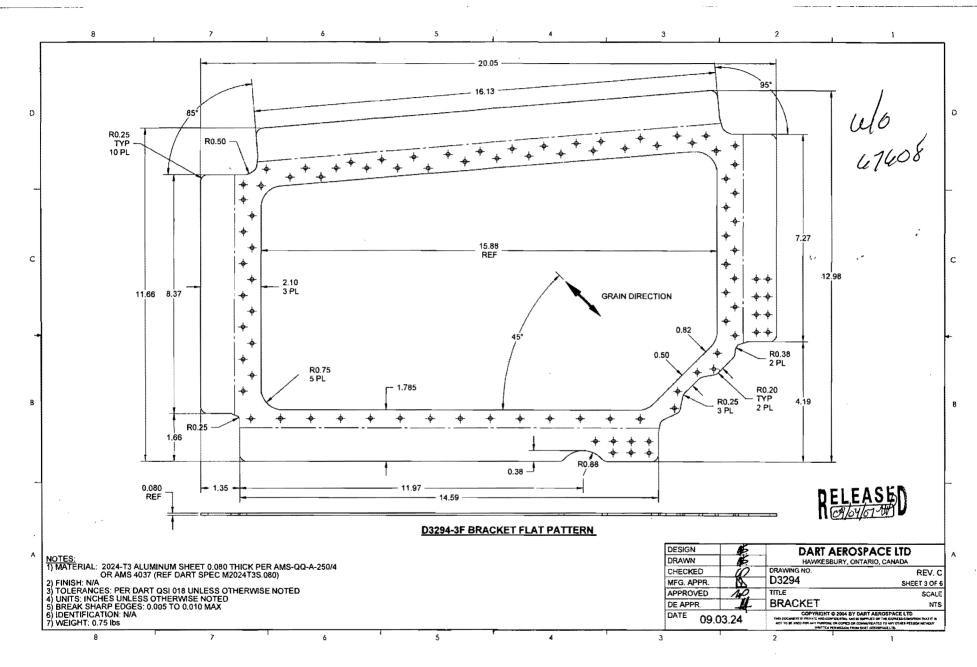
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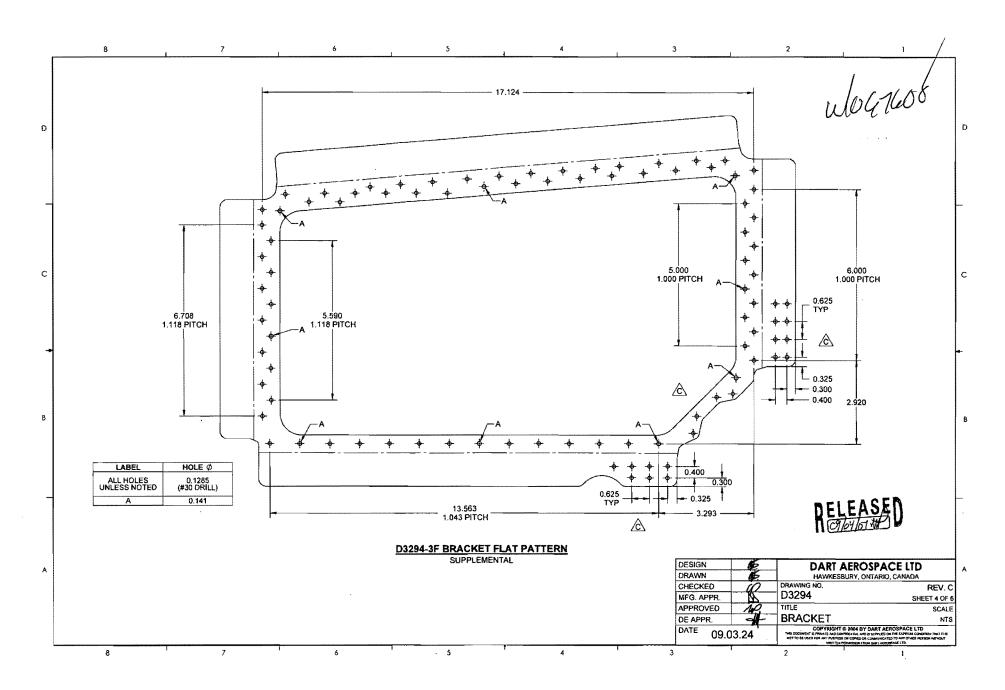
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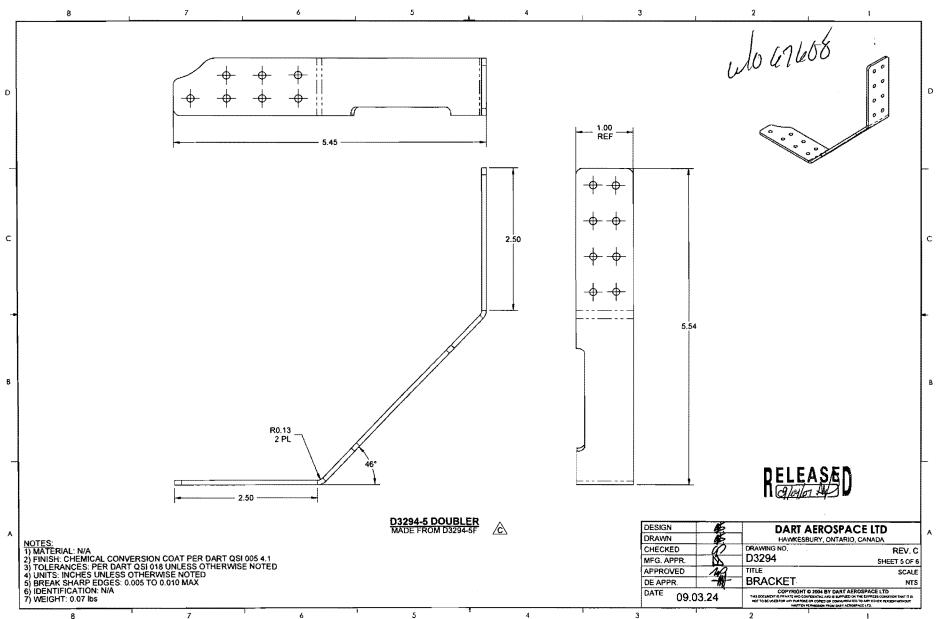
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Dart Aerospace Lt	td
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ulo 61608 D R0.25 0.625 TYP Ø0.129 15 PL - 0.30 -- 0.300 R0.88 GRAIN DIRECTION 0.400 1.00 0.65 ¢ С R0.13 0.15 0.30 2 PL R0.13 0.53 - 4 PL TYP -- 2.50 - 9.21 0.080 REF **D3294-5F DOUBLER FLAT PATTERN** DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA NOTES:
1) MATERIAL: 2024-T3 ALUMINUM SHEET 0.080 THICK PER AMS-QQ-A-250/4
OR AMS 4037 (REF DART SPEC M2024T3S.080)
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.07 lbs DRAWN CHECKED DRAWING NO. REV. C D3294 MFG. APPR. SHEET 6 OF 6 APPROVED TITLE SCALE **BRACKET** DE APPR. NTS DATE 09.03.24 8 3

Dart	Aeros	pace	Ltd
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W/O:		WORK ORDER CHANGES									
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